

AIR-CONDITIONING SYSTEM FOR A MOTOR VEHICLE

An air-conditioning system for a motor vehicle has a coolant circuit which comprises an electrically driven compressor, a condenser, an expansion valve and a latent cold holdover. Heat extracted from the latent cold holdover by the coolant circuit. This is referred to as charging the latent cold holdover. In addition, an air cooling mechanism is provided that extracts heat from the air and is fed to the latent cold holdover. The air-conditioning system can thus be particularly compact and effective as an air-conditioning system for operation in a stationary vehicle.